Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

rsons are required to respond to a collection of information unless it contains a valid OMB control number. Under the Paperwork Reduction Act of 1995

Substitute for form 1449/PTO TRADEM

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

| Complete if Known      |                  |   |  |
|------------------------|------------------|---|--|
| Application Number     | 10/763.423       |   |  |
| Filing Date            | January 26, 2004 |   |  |
| First Named Inventor   | AOKI, Takahiro   |   |  |
| Art Unit               | Unknown          |   |  |
| Examiner Name          | Unknown          |   |  |
| Attorney Docket Number | 042046           | 1 |  |

| Examiner              | Cita   | Document Number                         | U. S. PATENT D | Name of Patentee or         | Pages, Columns, Lines, Where |
|-----------------------|--|---|----------------|-----------------------------|------------------------------|
| Examiner<br>Initials* | Cite<br>No.1                                     | Document Number                         | MM-DD-YYYY     | Applicant of Cited Document | Relevant Passages or Releva  |
| iniuais               |  | Number-Kind Code <sup>2</sup> (# known) |                |                             | Figures Appear               |
|                       | i  | US-                                     |                |                             |                              |
|                       |  | US-                                     |                |                             | ·                            |
|                       |  | US-                                     |                |                             |                              |
|                       |  | US-                                     |                |                             |                              |
|                       | <b>!</b>   | US-                                     |                |                             |                              |
|                       | <del>                                     </del> | US-                                     |                |                             |                              |
|                       | 1  | US-                                     |                |                             |                              |
|                       | t  | US-                                     |                |                             |                              |
|                       | +  | US-                                     |                |                             |                              |

|               |  | FORE  | IGN PATENT DOCU     | JMENTS   |   | ,        |
|---------------|--|---|---------------------|--|---|----------|
| Examiner Cite |  | Foreign Patent Document   | Publication<br>Date | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages | ٠,       |
| 11110010      | '''  | Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>8</sup> (if known) | MM-DD-YYYY          |  | Or Relevant Figures Appear                        | Ľ        |
| DEC.          |  | JP 2002-342752 A  | 11/29/2002          | Fujitsu Ltd.                                       |   | <u> </u> |
|               |  | JP 2000-148887 A  | 05/30/2000          | Oki Electric                                       |   | <u> </u> |
| $\neg t$      |  | JP 06-018230 A  | 01/25/1994          | Hitachi Ltd.                                       |   | <b>_</b> |
|               |  | JP 06-236452 A  | 08/23/1994          | Nippondenso  |   | ┡        |
|               |  | JP 06-316842 A  | 11/15/1994          | Sipra  |   | <u>L</u> |
| DEC.          | <del>                                     </del> | JP 06-325271 A  | 11/25/1994          | Nohmi Bosai  |   | <u>L</u> |

|                       |                |                    | <del></del> |
|-----------------------|----------------|--------------------|-------------|
| Examiner<br>Signature | D.F. Comingham | Date<br>Considered | 5/31/17     |
| 0.8                   |                |                    |             |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as Indicated on the document under WIPO Standard ST.16 if possible. ⁴ Applicant is to place a check mark here if English language

Translation is attached.

This collection of Information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Petents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE tains a valid OMR control number.

|                                   |                  | Complete if Known     |                  |  |
|-----------------------------------|------------------|-----------------------|------------------|--|
| Substitute for form               | 1448/210         | Application Number    | 10/763.423       |  |
|                                   | TION DIGGLOSURE  | Filing Date           | January 26, 2004 |  |
| INFORMATION DISCLOSURE            |                  | First Named Inventor  | AOKI, Takahiro   |  |
| STATEM                            | ENT BY APPLICANT | Art Unit              | Unknown          |  |
| (Use as many sheets as necessary) |                  | Examiner Name         | Unknown          |  |
| Sheet 2                           | of 7             | Attomey Docket Number | 042046           |  |

| U. S. PATENT DOCUMENTS |  |   |                                |  |   |
|------------------------|--|---|--------------------------------|--|---|
| Examiner<br>Initials*  | Cite<br>No.1                                     | Document Number                         | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                        | <u> </u>   | Number-Kind Code <sup>2 (# known)</sup> | <del> </del>                   |  |   |
|                        | ł  | US-                                     |                                |  |   |
|                        |  | US-                                     |                                |  |   |
|                        |  | us-                                     |                                |  |   |
|                        |  | US-                                     |                                | ·  |   |
|                        |  | US-                                     |                                |  |   |
|                        |  | US-                                     |                                | •  |   |
|                        |  | US-                                     |                                |  |   |
|                        | <del>                                     </del> | US-                                     | . 1                            |  |   |
|                        | <del>                                     </del> | US-                                     |                                |  |   |
|                        | <del>                                     </del> | US-                                     |                                |  | <u></u>   |
|                        | †  | US-                                     |                                |  |   |
| •                      | 1  | US-                                     |                                |  |   |
|                        | <del>                                     </del> | US-                                     |                                |  |   |
|                        | <del>                                     </del> | US-                                     |                                |  |   |
|                        | <del>                                     </del> | US-                                     |                                |  |   |
|                        | $\top$   | US-                                     |                                |  |   |
|                        | +  | US-                                     |                                |  |   |
|                        | †  | US-                                     |                                |  |   |
|                        | +-   | US-                                     |                                |  |   |

|                       |  | FORE  | IGN PATENT DOCL     | IMENTS   |   | <del></del> |
|-----------------------|--|---|---------------------|--|---|-------------|
| Examiner<br>Initials* | Cite<br>No.                                      | Foreign Patent Document   | Publication<br>Date | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T0          |
|                       |  | Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known) | MM-DD-YYYY          |  | Of Relevant rigores reposit   | Ļ           |
| 1.56                  |  | JP 07-128133 A  | 05/19/1995          | Hitachi Ltd.                                       |   | ┡           |
| - 1-1 - C             |  | JP 07-140209 A  | 06/02/1995          | Fujitsu Ltd.                                       |   | <b>_</b>    |
|                       |  | JP 07-307301 A  | 11/21/1995          | Hitachi Ltd.                                       |   | ┡-          |
|                       | <del>                                     </del> | JP 08-075828 A  | 03/22/1996          | Hamamatsu  |   | <u> </u>    |
|                       |  | JP 08-178936 A  | 07/12/1996          | Omron Corp.  |   | L           |
| MEC.                  | -  | JP 09-058341 A  | 03/04/1997          | Yazaki Corp.                                       |   | <u> </u>    |

Date 5/30/07 Examiner Considered Signature

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ² Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For USPTO Patent Documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁴Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet 3

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

| Complete if Known      |                  |  |  |
|------------------------|------------------|--|--|
| Application Number     | 10/763.423       |  |  |
| Filing Date            | January 26, 2004 |  |  |
| First Named Inventor   | AOKI, Takahiro   |  |  |
| Art Unit               | Unknown          |  |  |
| Examiner Name          | Unknown          |  |  |
| Attorney Docket Number | 042046           |  |  |

|  |  |   | U. S. PATENT D                 | None of Potentino                                  | Base Columns Lines Where  |
|--|--|---|--------------------------------|--|---|
| Examiner<br>Initials*                  | Cite<br>No.1                                     | Document Number                         | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|  |  | Number-Kind Code <sup>2 (7 known)</sup> |                                |  | Tigutes Appear  |
|  |  | US-                                     |                                | · · · · · · · · · · · · · · · · · · ·              |   |
|  |  | US-                                     |                                |  |   |
|  |  | US-                                     |                                |  |   |
| ······································ |  | US-                                     |                                |  |   |
|  |  | US-                                     |                                |  |   |
|  |  | US-                                     |                                |  |   |
| <del></del>                            |  | US-                                     |                                |  |   |
|  | <del>                                     </del> | US-                                     |                                |  |   |
|  |  | US-                                     |                                |  |   |
|  | <del>                                     </del> | US-                                     |                                |  |   |
|  | 1  | US-                                     |                                |  |   |
| <del></del>                            | <del> </del>                                     | US-                                     |                                |  |   |
|  | <del>                                     </del> | US-                                     |                                |  |   |

|                       |  | FORE  | IGN PATENT DOCL     | IMENTS   |   |    |
|-----------------------|--|---|---------------------|--|---|----|
| Examiner<br>Initials* | Cite<br>No.1                                     | Foreign Patent Document   | Publication<br>Date | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages | 10 |
| 11110013              |  | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>3</sup> (if known) | MM-DD-YYYY          |  | Or Relevant Figures Appear                        | Ľ  |
| DFC.                  |  | JP 09-061351 A  | 03/07/1997          | Ricoh Co. Ltd.                                     |   | _  |
| <del></del>           |  | JP 10-232284 A  | 09/02/1998          | Toshiba Corp.                                      |   | ↓_ |
|                       |  | JP 10-254124 A  | 09/25/1998          | Hitachi Ltd.                                       |   |    |
|                       |  | JP 10-260014 A  | 09/29/1998          | Sumitomo   |   | _  |
| 1                     |  | JP 10-289304 A  | 10/27/1998          | NEC Corp.  |   | L  |
| 2186                  | <del>                                     </del> | JP 11-037799 A  | 02/12/1999          | Toshiba Corp.                                      |   |    |

| Examiner<br>Signature | J.F. Cumingham | Date<br>Considered | 5/30/07 |  |
|-----------------------|----------------|--------------------|---------|--|
|                       |                |                    |         |  |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>®</sup>Applicant is to place a check mark here if English language

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

| Under the Paperwork Reduction Act of 1995, no persons are required  Substitute for form 1449/PTO | Complete if Known             |                  |  |
|--|-------------------------------|------------------|--|
| Substitute for form 1443/PTO   | Application Number 10/763.423 |                  |  |
| WITCOM ATION DIGGLOCKIDE   | Filing Date                   | January 26, 2004 |  |
| INFORMATION DISCLOSURE   | First Named Inventor          | AOKI, Takahiro   |  |
| STATEMENT BY APPLICANT   | Art Unit                      | Unknown          |  |
| (Use as many sheets as necessary)  | Examiner Name                 | Unknown          |  |
| Sheet 4 of 7   | Attorney Docket Number        | 042046           |  |

|                       | U. S. PATENT DOCUMENTS  Examiner   Cite   Document Number   Publication Date   Name of Patentee or   Pages, Columns, Lines, Where |   |  |                 |                                |                             |   |  |
|-----------------------|---|---|--|-----------------|--------------------------------|-----------------------------|---|--|
| Examiner<br>Initials* | Cite<br>No.1  | Cite<br>No.1                            | Cite<br>No.1                                     | Document Number | Publication Date<br>MM-DD-YYYY | Applicant of Cited Document | Relevant Passages or Relevant<br>Figures Appear |  |
|                       |   | Number-Kind Code <sup>2 (# known)</sup> | <u> </u>   |                 | go.co.                         |                             |   |  |
|                       |   | US-                                     |  |                 |                                |                             |   |  |
|                       |   | US-                                     |  |                 |                                |                             |   |  |
|                       |   | US-                                     |  |                 |                                |                             |   |  |
|                       |   | US-                                     |  |                 |                                |                             |   |  |
|                       |   | US-                                     |  |                 |                                |                             |   |  |
|                       |   | US-                                     |  |                 |                                |                             |   |  |
|                       |   | US-                                     |  |                 |                                |                             |   |  |
|                       |   | US-                                     |  |                 |                                |                             |   |  |
|                       |   | US-                                     |  |                 |                                |                             |   |  |
|                       |   | US-                                     |  |                 |                                |                             |   |  |
|                       |   | UŞ-                                     |  |                 |                                |                             |   |  |
|                       | <del>                                     </del>  | US-                                     |  |                 |                                |                             |   |  |
|                       |   | US-                                     |  |                 |                                |                             |   |  |
|                       | <del> </del>  | US-                                     |  |                 |                                |                             |   |  |
|                       | <b>-</b>  | US-                                     |  |                 |                                |                             |   |  |
|                       | <del> </del>  | US-                                     |  |                 |                                |                             |   |  |
|                       | <del> </del>  | US-                                     | <del>                                     </del> |                 |                                |                             |   |  |
|                       | +   | US-                                     |  |                 |                                |                             |   |  |
|                       | <del> </del>  | US-                                     | +  |                 |                                |                             |   |  |

| FOREIGN PATENT DOCUMENTS |  |                   |                        |  |   |          |  |  |
|--------------------------|--|-------------------|------------------------|--|---|----------|--|--|
| Examiner<br>Initials*    | Cite<br>No.                                      | Applicant of Cito |                        | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages | م ا      |  |  |
| Wilder Co.               |  |                   | MM-DD-YYYY Or Relevant |  | Or Relevant Figures Appear                        | ,        |  |  |
| 145c                     |  | JP 11-085257 A    | 03/30/1999             | Toshiba Corp.                                      |   | <u> </u> |  |  |
| Ť                        | <u> </u>   | JP 11-151637 A    | 06/08/1999             | Otto Bilz  |   | <u> </u> |  |  |
|                          |  | JP 11-211612 A    | 08/06/1999             | Nikon Corp.  |   | L        |  |  |
|                          | <del>                                     </del> | JP 2000-065804 A  | 03/03/2000             | Nippon Steel                                       |   | ┡        |  |  |
|                          | <b>†</b>   | JP 2000-137774 A  | 05/16/2000             | Matsushita Elec                                    |   | _        |  |  |
| 150.                     |  | JP 2000-356907 A  | 12/26/2000             | Sharp Corp.  |   | L        |  |  |

| Examiner  | M-M'C      | 1   |   | Date       | 5/30/07 |  |
|-----------|------------|-----|---|------------|---------|--|
| Signature | J.A. Cummy | Lam | • | Considered | 70.     |  |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language

the appropriate symbols as indicated on the document under Vivi C danishing ST. Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademerk Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

| Complete if Known      |                  |  |  |  |
|------------------------|------------------|--|--|--|
| Application Number     | 10/763.423       |  |  |  |
| Filing Date            | January 26, 2004 |  |  |  |
| First Named Inventor   | AOKI, Takahiro   |  |  |  |
| Art Unit               | Unknown          |  |  |  |
| Examiner Name          | Unknown          |  |  |  |
| Attorney Docket Number | 042046           |  |  |  |

| U. S. PATENT DOCUMENTS |  |   |  |  |   |  |  |
|------------------------|--|---|--|--|---|--|--|
| Examiner Initials*     | Cite<br>No.                                      | Document Number                         | Publication Date<br>MM-DD-YYYY                   | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |  |  |
|                        |  | Number-Kind Code <sup>2 (# known)</sup> | <u> </u>   | <u> </u>   | 1 198105 1 4 1985   |  |  |
|                        |  | US-                                     |  |  |   |  |  |
|                        |  | US-                                     |  |  |   |  |  |
|                        |  | US-                                     |  |  |   |  |  |
|                        |  | US-                                     |  |  |   |  |  |
|                        |  | US-                                     |  |  |   |  |  |
|                        |  | US-                                     |  |  |   |  |  |
|                        |  | US-                                     |  |  |   |  |  |
|                        |  | US-                                     |  |  |   |  |  |
|                        |  | US-                                     |  |  |   |  |  |
|                        | 1  | US-                                     |  |  |   |  |  |
|                        | 1  | US-                                     |  |  | ,   |  |  |
|                        | <del>                                     </del> | US-                                     |  |  |   |  |  |
|                        | 1  | US-                                     |  |  |   |  |  |
|                        | 1  | US-                                     |  |  |   |  |  |
|                        | $\top$   | US-                                     |  |  |   |  |  |
|                        | 1  | US-                                     |  |  |   |  |  |
|                        | 1  | US-                                     |  |  |   |  |  |
|                        | +  | US-                                     |  |  |   |  |  |
|                        | +  | US-                                     | <del>                                     </del> |  |   |  |  |

| FOREIGN PATENT DOCUMENTS  Publication   Name of Patentee or Pages, Columns, Lines, |  |  |                     |                             |                            |    |  |  |
|--|--|--|---------------------|-----------------------------|----------------------------|----|--|--|
| Examiner Cite No.1   | Cite   |  | Publication<br>Date | Applicant of Cited Document | Where Relevant Passages    | ٠, |  |  |
|  |  | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>8</sup> (# known) | MM-DD-YYYY          |                             | Or Relevant Figures Appear | Ľ  |  |  |
| GFC.   |  | JP 2001-004452 A   | 01/12/2001          | Tokyo Electron              |                            | _  |  |  |
| 1  | <del>                                     </del> | JP 2001-076325 A   | 03/23/2001          | Canon Inc.                  |                            | ┡  |  |  |
|  | <del>                                     </del> | JP 2001-091223 A   | 04/06/2001          | Olympus Optical             |                            |    |  |  |
|  | <del> </del>                                     | JP 2001-228081 A   | 08/24/2001          | Sharp Corp.                 |                            | Ļ  |  |  |
|  |  | JP 2002-313859 A   | 10/25/2002          | NEC Corp.                   |                            | L  |  |  |
| MIC  | <del> </del>                                     | IP 2003-045800 A   | 02/14/2003          | Toshiba Corp.               |                            | 1  |  |  |

| <del></del> | ·              |                    |                                    |
|-------------|----------------|--------------------|------------------------------------|
| Examiner    | 17 C. Lem      | Date<br>Considered | 5/30/07                            |
| Signature   | J.F. Curry han |                    | Water Ward in conformation and not |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. ⁴ Applicant is to place a check mark here if English language

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

loner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet 6

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

| Complete II Milowii    |                  |  |  |  |
|------------------------|------------------|--|--|--|
| Application Number     | 10/763.423       |  |  |  |
| Filing Date            | January 26, 2004 |  |  |  |
| First Named Inventor   | AOKI, Takahiro   |  |  |  |
| Art Unit               | Unknown .        |  |  |  |
| Examiner Name          | Unknown          |  |  |  |
| Attorney Docket Number | 042046           |  |  |  |

| U. S. PATENT DOCUMENTS |  |  |  |  |   |  |  |
|------------------------|--|--|--|--|---|--|--|
| Examiner<br>Initials*  | Cite<br>No.                                      | Document Number  Number-Kind Code <sup>2 (f known)</sup> | Publication Date MM-DD-YYYY                      | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |  |  |
|                        | -  | US-  | -  |  | - I I I I I I I I I I I I I I I I I I I   |  |  |
|                        | L  |  |  |  |   |  |  |
|                        |  | US-  |  |  |   |  |  |
|                        |  | US-  |  |  |   |  |  |
| -                      | <del>                                     </del> | US-  | <del> </del>                                     |  |   |  |  |
| <del></del>            |  | US-  |  |  |   |  |  |
|                        | <u> </u>   | US-  | <del></del>                                      |  |   |  |  |
|                        |  | US-  | <del>                                     </del> |  |   |  |  |
|                        |  | US-  |  |  |   |  |  |
|                        |  | US-  |  |  |   |  |  |
|                        | <u> </u>   | US-  | <del>                                     </del> |  |   |  |  |
|                        |  | US-  |  |  |   |  |  |
|                        |  | US-  |  |  |   |  |  |
|                        |  | US-  | <del>                                     </del> | · · · · · · · · · · · · · · · · · · ·              | <del>-  </del>  |  |  |
|                        |  | US-  | 1  |  |   |  |  |
|                        |  | US-  |  |  |   |  |  |
|                        | <u> </u>   | US-  | †  |  |   |  |  |
|                        | <u> </u>   | US-  |  |  |   |  |  |
|                        |  | US-  |  |  |   |  |  |
|                        |  | US-  | <del>                                     </del> |  |   |  |  |

|                    |             | FORE  | IGN PATENT DOCL     | JMENTS   |   |    |
|--------------------|-------------|---|---------------------|--|---|----|
| Examiner Initials* | Cite<br>No. | Foreign Patent Document   | Publication<br>Date | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages |    |
|                    |             | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>8</sup> (if known) | MM-DD-YYYY          |  | Or Relevant Figures Appear                        | T° |
| 1FC.               |             | JP 08-181728 A  | 07/12/1996          | Mitsubishi Elec                                    |   |    |
|                    |             | JP 09-318329 A  | 12/12/1997          | Tokyo Selmitsu                                     |   |    |
|                    |             | JP 07-23868 B2  | 03/15/1995          | TZN Forschungs                                     |   |    |
| 1                  |             | JP 28-66016 B2  | 12/18/1998          | Mitsubishi Elec                                    |   |    |
| JF.C.              |             | JP 32-20955 B2  | 08/17/2001          | Tokyo Seimitsu                                     |   |    |
|                    |             |   |                     |  |   |    |

| Examiner<br>Signature | I.F. Curingham | Date<br>Considered | 5/30/07 |
|-----------------------|----------------|--------------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Therefore that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language. Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031

| Under the Paperwork Reduction Act of 1995, no persons are<br>Substitute for form 1449/PTO |                  |           |                        | Complete if Known |     |
|---|------------------|-----------|------------------------|-------------------|-----|
|   |                  |           | Application Number     | 10/763.423        | · · |
|   |                  | SCLOSURE  | Filing Date            | January 26, 2004  |     |
| STATEME   | NT BY A          | PPLICANT  | First Named Inventor   | AOKI, Takahiro    |     |
| (Use as i   | nany sheets as n | ecessarvi | Art Unit               | Unknown           |     |
|   |                  |           | Examiner Name          | Unknown           |     |
| Sheet 7   | of               | 7         | Attorney Docket Number | 042046            |     |

| NON PATENT LITERATURE DOCUMENTS |   |   |  |  |  |
|---------------------------------|---|---|--|--|--|
| Examiner<br>Initials*           | aminer   Cite   Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate) title |   |  |  |  |
| IF.C.                           |   | TAKAGI, M. et al., "Handbook of Image Analysis", ISBN 4-13-061107-0 pp. 707-746; partial English translation. |  |  |  |
|                                 |   |   |  |  |  |
|                                 |   |   |  |  |  |
|                                 |   |   |  |  |  |
|                                 | · ·   |   |  |  |  |
|                                 |   |   |  |  |  |
|                                 |   |   |  |  |  |
|                                 |   |   |  |  |  |
|                                 |   |   |  |  |  |
|                                 |   |   |  |  |  |

| Examiner  | Date       | <i>(</i> , |
|---|------------|------------|
| Simulation of the state of the | Date       | 1 -/2./    |
| Signature J. F. Commy ham   | Considered | 1 3/33/37  |
|   | 1          | 1          |

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.